

# SILPA VIJAYAN GEETHA

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## SUMMARY

Hardworking and self-motivated graduate student with 3.7 years of experience as a software engineer, seeking full time or internship opportunities which would enable use of strong technical skill.

## PROFESSIONAL EXPERIENCE

Senior Software Engineer, IBS Software (IBS)

Apr 2019 – Nov 2021

Software Engineer, National Informatics Centre (NIC)

Nov 2017 – April 2019

## Duties and Responsibilities

- Focussed on design and development of web applications.
- Successfully delivered projects to the client within deadline and provided exceptional client service.

## Projects

- **iCargo**  
Worked on iCargo which is an air cargo management platform. Built dynamic webpages for handling seamless cargo checkin services and helps clients to track the crew. Also worked on the android application for iCargo.  
HTML | CSS | JavaScript | ReactJS | Java | JSON | React Native
- **Secure**  
Worked on project Secure which is a web-based application for cost estimation and approval of works undertaken by the government. Built web applications for cost analysis, adding the requirements of work for cost estimation and work approval.  
HTML | CSS | jQuery | JavaScript | Java | JSON

## SKILLS

**Programming Languages:** C, C++, C#, Java, Python, PHP

**Web Technologies:** Flask, JavaScript, HTML5, CSS

**Databases:** MySQL, SQL Server, PostgreSQL, Oracle

**Frameworks:** React JS, React Native, jQuery, BootStrap, Laravel

**Cloud Technologies:** Microsoft Azure, Amazon Web Services (AWS), Google Cloud

**Others:** Android, Git, Office 365, Agile, Scrum, SDLC

## EDUCATION

Master of Science in Computer Science

The University of Texas at Arlington, Texas

Expected Dec 2023

GPA: 4/4

Master of Engineering in Computer Science

Kerala University, India

Apr 2017

GPA:3.7/4

Bachelor of Engineering in Computer Science

Kerala University, India

Apr 2015

GPA:3.5/4

## ACADEMIC PROJECTS

- **Data Visualization**  
To visualize and display the results from SQL table within a browser, allow a user to select intervals or attributes in a data set, show results as a pie chart, a histogram, or a scatter or point chart.  
AWS | Python | Flask | HTML | CSS | JavaScript | MySQL | D3.js
- **Cloud Gallery**  
To provide a picture viewing and album creating service and UI. The web page will display the images uploaded, title, created time, rating etc.  
Google Cloud Platform | Python | Flask | HTML | CSS | JavaScript | MySQL
- **AWS Data Repository Performance**  
To measure performance on SQL tables: creating, querying, modifying data (tuples).  
AWS | Python | Flask | HTML | CSS | JavaScript | MySQL
- **AWS Web Interface Picture Site**  
To provide a picture viewing and profile creating service and UI. The web page will display the images uploaded, profile entered by user and can be edited as well  
Azure | Python | Flask | HTML | CSS | JavaScript | MySQL
- **DSC-BD System**  
An application to detect botnet/malware on continuous data streams.  
HTML | CSS | ASP.NET | C#
- **One-Mart**  
An application for students for forming clubs, buying/selling products, creating posts etc.  
React | PHP | Laravel
- **Machine Learning Algorithms**  
Implemented various ML algorithms like Naïve Bayes, Logistic Regression, KNN etc

## ACHIEVEMENTS

- **Best Paper Award:** Won Best Paper Award for "Data Stream Clustering for Botnet Detection" at IEEE ICSNS 2018.
- **Spot Award for Excellence in Performance:** Won Spot Award for iCargo project at IBS, 2020.